

Abstract

An X-ray detection device for detecting whether or not foreign matter is mixed in on the basis of the transmission amount of X-rays that have penetrated an examination subject article by applying X-rays, at a predetermined detection position to an examination subject article being conveyed in a pipe(7), wherein a test-piece table(17) capable of passing by the detection position at substantially the same speed as that of the examination subject article is installed in the vicinity of the pipe(7), with a test-piece(21) placed thereon. X-ray detection sensitivity can be detected without mixing the test-piece in the actual examination subject article.